

CLAIMS

WHAT IS CLAIMED IS:

1. A data recorder comprising:

a recording unit for recording data on a removable recording medium;

5 a condition determining unit for determining a right condition for performing a recording operation with said recording unit according to a recording test performed on said recording medium; and

an optimizing unit for optimizing the recording operation of said recording unit according to said right condition determined by said condition determining unit.

10 2. A data recorder comprising:

a recording unit for recording data on a removable recording medium;

15 a condition determining unit for determining a right condition for performing a recording operation with said recording unit according to information acquisition from said recording medium; and

an optimizing unit for optimizing the recording operation of said recording unit according to on said right condition determined by said condition determining unit.

3. The data recorder according to claim 1, wherein:

said recording unit includes a recording buffer for temporarily storing data yet to be output to said recording medium; and

20 said optimizing unit optimizes the capacity of said recording buffer according to said right condition.

4. The data recorder according to claim 2, wherein:

said recording unit includes a recording buffer for temporarily storing data yet to be output to said recording medium; and

25 said optimizing unit optimizes the capacity of said recording buffer according to said

right condition.

5. An electronic camera comprising:

the data recorder according to claim 1; and

a shooting unit for shooting a subject image to generate image data, wherein

said data recorder records image data generated by said shooting unit.

6. An electronic camera comprising:

the data recorder according to claim 2; and

a shooting unit for shooting a subject image to generate image data, wherein

said data recorder records image data generated by said shooting unit.

7. An electronic camera comprising:

the data recorder according to claim 3; and

a shooting unit for shooting a subject image to generate image data, wherein

said data recorder records image data generated by said shooting unit.

8. An electronic camera comprising:

the data recorder according to claim 4; and

a shooting unit for shooting a subject image to generate image data, wherein

said data recorder records image data generated by said shooting unit.

9. An electronic camera comprising:

a shooting unit for shooting a subject image to generate image data;

a continuous shooting memory for temporarily storing said image data yet to be completed of processing; and

the data recorder according to claim 3 for recording image data generated by said shooting unit, and wherein

said optimizing unit included in the data recorder optimizes the capacity of said

recording buffer by allocating an area of said continuous shooting memory to said recording

buffer according to said right condition.

10. An electronic camera comprising:

a shooting unit for shooting a subject image to generate image data;

a continuous shooting memory for temporarily storing said image data yet to be

5 completed of processing; and

the data recorder according to claim 4 for recording image data generated by said shooting unit, and wherein

said optimizing unit included in the data recorder optimizes the capacity of said recording buffer by allocating an area of said continuous shooting memory to said recording buffer according to said right condition.

11. An electronic camera comprising:

a shooting unit for shooting a subject image to generate image data;

a display memory for storing said image data for displaying purpose; and

the data recorder according to claim 3 for recording image data generated by said shooting unit, and wherein

said optimizing unit included in the data recorder optimizes the capacity of said recording buffer by allocating an area of said display memory to said recording buffer according to said right condition.

12. An electronic camera comprising:

a shooting unit for shooting a subject image to generate image data;

a display memory for storing said image data for displaying purpose; and

the data recorder according to claim 4 for recording image data generated by said shooting unit, and wherein

said optimizing unit included in the data recorder optimizes the capacity of said recording buffer by allocating an area of said display memory to said recording buffer

according to said right condition.

13. A machine-readable recording medium containing a program for operating a computer as said recording unit, said condition determining unit, and said optimizing unit according to claim 1, the computer having the function of recording data on a removable recording medium.

14. A machine-readable recording medium containing a program for operating a computer as said recording unit, said condition determining unit, and said optimizing unit according to claim 2, the computer having the function of recording data on a removable recording medium.

15. A machine-readable recording medium containing a program for operating a computer as said recording unit, said condition determining unit, and said optimizing unit according to claim 3, the computer having the function of recording data on a removable recording medium.

16. A machine-readable recording medium containing a program for operating a computer as said recording unit, said condition determining unit, and said optimizing unit according to claim 4, the computer having the function of recording data on a removable recording medium.